

## Looking for volunteers for a research study

Have you been exposed to a lot of loud sounds? Maybe you have attended a lot of rock concerts, worked at a noisy construction site, used firearms, participated in motor sports, or have been in other noisy environments...



Exposure to these loud noises can result in hearing loss. But even if it doesn't result in permanent hearing loss, what are the effects of loud sounds exactly on how our ears and brains process sound? And can a history of noise exposure lead to difficulties understanding speech in noisy environments? We are running a research study to find out!

The study takes place in central London and consists of three 2-hour sessions. If you decide to participate, we will do an extensive hearing test, ask you some questions about your noise exposure history, and measure how your brain responds to sound using several small sensors placed on your head (EEG). We will also test your ability to understand speech in noisy backgrounds and ask you to do some listening tasks on the computer. We will compensate you for your time.

### We are looking for volunteers:

- 45-60 years old
- normal hearing (we will test your hearing as part of the study)
- exposed to a lot of loud noise throughout your life
- native British English speaker

If you are interested, please contact Dr Tim Schoof at [t.schoof@ucl.ac.uk](mailto:t.schoof@ucl.ac.uk)